

All Regional Engineers

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Special Provision for Surface Testing of Hot-Mix Asphalt Overlays

September 28, 2012

This special provision was originally developed by the Bureau of Materials & Physical Research as part of the Illinois Smoothness Initiative (ISI). It requires a 0.00 in. (0.0 mm) blanking band be used to calculate the Profile Index values and includes incentives and/or disincentives based on those values.

From 2002 until 2012 this special provision was entitled, "Surface Testing of Pavements". However since the portions affecting new pavements (Sections 407 and 420) have been moved into the 2013 Supplemental Specifications, the special provision has been re-issued and the title has been changed. No revisions have been made to the surface testing procedures or equipment.

This special provision should be inserted into all interstate resurfacing contracts. At the district's discretion, it can also be inserted into other multi-lane resurfacing contracts with overlay thicknesses of 3.75 in. (95 mm) or greater. Note: this special provision is not recommended for use on two lane hot-mix asphalt overlay projects or projects with overlay thicknesses less than 3.75 in. (95 mm).

The districts should include the BDE Check Sheet marked with the applicable special provisions for the January 18, 2013 and subsequent lettings. The Project Development and Implementation Section will include a copy in the contract.

This special provision will be available on the transfer directory September 28, 2012.

80317m

SURFACE TESTING OF HOT-MIX ASPHALT OVERLAYS (BDE)

Effective: January 1, 2013

Revise Article 406.03(h) of the Standard Specifications to read:

“(h) Pavement Surface Test Equipment1101.10”

Revise Article 406.11 of the Standard Specifications to read:

“406.11 Surface Tests. The finished surface of the pavement shall be tested for smoothness according to Article 407.09 of the Supplemental Specifications, except as follows:

One wheel track shall be tested per lane. Testing shall be performed 3 ft (1 m) from and parallel to the edge of the lane away from traffic.

SMOOTHNESS ASSESSMENT SCHEDULE (HMA Overlays)		
High-Speed Mainline Pavement Average Profile Index in./mile (mm/km)	Low-Speed Mainline Pavement Average Profile Index in./mile (mm/km)	Assessment per subplot
6.0 (95) or less	15.0 (240) or less	+\$150.00
>6.0 (95) to 10.0 (160)	>15.0 (240) to 25.0 (400)	+\$80.00
>10.0 (160) to 30.0 (475)	>25.0 (400) to 45.0 (710)	+\$0.00
>30.0 (475) to 40.0 (635)	>45.0 (710) to 65.0 (1025)	+\$0.00
Greater than 40.0 (635)	Greater than 65.0 (1025)	-\$300.00”